NW
IMAGING FORUMS, INC.

UTERINE ANOMALY 3T / ROUTINE FEMALE PELVIS BENIGN 3T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	Have patient empty bladder before scanning
Common Indications	Bleeding, fibroids, myoma, endometriosis
Position	Head first or feet first
Coil	Body Array (anterior); Spine Array (posterior)
Landmark	Center of coil; below belly button; adjust after LOC using ISO mode imaging

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.05 mmol/kg	2 mL/sec	Power Injector preferred. Timing Run or CareBolus
Saline Flush	20 mL	2 mL/sec	Flush with 50 cc saline
Comments	• Report agent administered and dose • Use minimal dose for patients with a GFR <30 mL/sec		

IMAGING PARAMETERS

Scan Description	3 PLANE HASTE LOCALIZER	SAGITTAL T2	AXIAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec	AXIAL T2 Hi Res
Sequence Name	h	tse	tseR	tseR	tseR	epse	fl	fl	fl	fl	fl	tseR
Dimension	2D	2D	2D	2D	2D	—	3D	3D	3D	3D	3D	2D
Acceleration mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	SMS	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	GRAPPA
Acceleration Factor PE	2	4	4	3	4	2	2	2	2	2	2	4
Acceleration Factor 3D	—	—	—	—	—	—	2	2	2	2	2	—

SCAN PARAMETERS

Scan Description	3 PLANE HASTE LOCALIZER	SAGITTAL T2	AXIAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec	AXIAL T2 Hi Res
TR	1000 ms	6000 ms	3500 ms	3000 ms	3500 ms	3400 ms	4.6 ms	4.1 ms	3 ms	3 ms	4.1 ms	3500 ms
TE	131 ms	109 ms	101 ms	79 ms	109 ms	67 ms	1: 1.23 ms 2: 2.46 ms	2.01 ms	1.24 ms	1.24 ms	2.01 ms	101 ms
Flip Angle	105 deg	160 deg	160 deg	160 deg	160 deg	—	9 deg	10 deg	9 deg	9 deg	10 deg	160 deg
Turbo Factor	256	19	19	16	19	—	—	—	—	—	—	18
Bandwidth	698 Hz/Px	228 Hz/Px	228 Hz/Px	228 Hz/Px	228 Hz/Px	2084 Hz/Px	1200 Hz/Px	460 Hz/Px	650 Hz/Px	650 Hz/Px	460 Hz/Px	228 Hz/Px
Fat-Water Contrast	Standard	Standard	Standard	Fat Saturation	Standard	SPAIR	Dixon	Fast Fat Saturation	SPAIR	SPAIR	Fast Fat Saturation	Standard
Fat Saturation	—	—	—	Strong	—	Strong	—	—	—	—	—	—
Gradient Mode	Fast	Normal	Normal	Normal	Normal	Normal	Fast	Fast	Fast	Fast	Fast	Normal
RF Pulse Type	Optimized	Normal	Normal	Normal	Normal	Low SAR	Fast	Fast	Fast	Fast	Fast	Normal
Asymmetric Echo	—	—	—	—	—	—	Off	Off	Weak	Weak	Off	—

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Supported by an educational grant from Bracco Diagnostics Inc.

MR Gadopiclenol (VUEWAY®) Protocol for Siemens MRI Scanners
Body MR Imaging

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ACQUISITION PARAMETERS

Scan Description	3 PLANE HASTE LOCALIZER	SAGITTAL T2	AXIAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec	AXIAL T2 Hi Res
Base Resolution	256	384	384	384	384	160	320	320	320	320	320	384
Phase Resolution	100%	85%	85%	75%	85%	100%	75%	75%	70%	70%	75%	100%
Slice Resolution	—	—	—	—	—	—	57%	65%	50%	50%	65%	—
Averages	1	1	1	1	1	3, 4	1	1	1	1	1	1
Concatenations	2	1	2	2	2	1	1	1	1	1	1	2
b-value >=	—	—	—	—	—	0 s/mm2 50 s/mm2 800 s/mm2	—	—	—	—	—	—
FoV Read	360 mm	240 mm	230 mm	230 mm	240 mm	380 mm	400 mm	300 mm	300 mm	300 mm	300 mm	230 mm
FoV Phase	100%	100%	100%	100%	100%	80%	75%	100%	100%	100%	100%	100%
Phase Encoding Dir.	R >> L	P >> A	R >> L	R >> L	R >> L	A >> P	A >> P	A >> P	A >> P	A >> P	A >> P	R >> L
Slice Oversampling	—	—	—	—	—	—	36%	20%	30%	30%	20%	—
Phase Partial Fourier	4/8	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Slice Partial Fourier	—	—	—	—	—	—	7/8	6/8	7/8	7/8	6/8	—
Flow Compensation	None	None	None	None	None	—	—	—	—	—	—	None

SCANNING RANGE

Scan Description	3 PLANE HASTE LOCALIZER	SAGITTAL T2	AXIAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec	AXIAL T2 Hi Res
Elliptical Filter	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Distortion Correction	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D
Slice Thickness	6.0 mm	4.0 mm	4.0 mm	4.0 mm	4.0 mm	7.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	4.0 mm
Distance Factor	175%	12%	15%	15%	15%	0%	20%	20%	20%	20%	20%	15%
Slices per Slab	13 Slices	29 Slices	30 Slices	30 Slices	30 Slices	36 Slices	88 Slices per Slab	80 Slices per Slab	80 Slices per Slab	80 Slices per Slab	80 Slices per Slab	30 Slices
Time of Acquisition	35 sec	1:38 min	1:52 min	2:08 min	1:52 min	1:59 min	18 sec	17 sec	18 sec	18 sec	17 sec	2:13 min

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